Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for operating a digital video processing apparatus interconnected by a digital bus to a digital video disc player, the digital video processing apparatus performing the steps of:

(a) receiving from said digital video disc player, via said digital bus, a program content stream representative of a video program stored on a disk coupled to said digital video disc player, said program content stream including data in a compressed format, said program content stream being received via a first type of transfer mechanism;

(b) decoding said program content stream in said digital video processing apparatus;

(c) receiving from said digital video disc player, via said digital bus, bit-map data representative of a subpicture associated with said program content stream and enabling user navigation through the video program, said bit-map data being suitable for display, said bit-map data being received via a second type of transfer mechanism; and

(d) combining, in said digital video processing apparatus, said bit-map data received from said digital video disc player and said decoded program content stream to produce a signal representative of a combined image suitable for display.

2. (Previously Presented) The method of Claim 1 further comprising the digital video processing apparatus performing the steps of:

(a) receiving subsequent bit-map data representative of an updated portion of said previously received subpicture; and

(b) updating, in response to a user initiated command received by said digital video disc player, said combined image with said received subsequent bit-map data to produce an updated combined image suitable for display.

3. (Currently Amended) A digital television comprising:

(a) means for receiving from a digital data processing apparatus having a storage means, via a digital bus interconnecting said digital television and said digital data processing apparatus, a compressed digital data stream representative of a video program stored on said storage means, said compressed digital data stream being received via a first type of transfer mechanism;

(b) means for decoding said compressed digital data stream in said digital television;

(c) means for receiving from said digital data processing apparatus, via said digital bus, bit-map data representative of a subpicture associated with said compressed digital data stream and enabling user navigation through the video program, said bit-map data being received via a second type of transfer mechanism; and

(d) means for combining, in said digital television, said bit-map data received and said decoded compressed digital data stream to produce a signal representative of a combined image suitable for display.

4. (Previously Presented) The digital television of Claim 3 further comprising:

(a) means for receiving subsequent bit-map data representative of an updated portion of a previously received bit-map data; and

(b) means for updating said combined image with said received subsequent bit-map data to produce an updated combined image suitable for display, wherein said updating means is responsive to user input.

5. (Currently Amended) A method for operating a digital video disc player interconnected by a digital bus to a digital television, the digital video disc player performing the steps of:

(a) receiving from a digital video disc coupled to said digital video disc player an MPEG-PS digital stream representative of a video program;

(b) converting said digital stream from an MPEG-PS format to a digital stream having an MPEG-TS format;

(c) transmitting said MPEG-TS digital stream to said digital television via an isochronous channel of said digital bus;

(d) processing a subpicture stream associated with said MPEG-PS digital stream, and enabling user navigation through the video program, to generate a bit-mapped digital data suitable for display; and

(e) transmitting said bit-mapped digital data to said digital television via an asynchronous channel of said digital bus.

6. Cancelled

7. (Previously Presented) The method of claim 5 further comprising the steps of:

(a) receiving a user initiated command in response to said displayed bit-mapped digital data;

(b) generating an updated subpicture stream in response to said user initiated command;

(c) processing said updated subpicture stream to generate an updated bit-mapped digital data; and

(d) transmitting said updated bit-mapped digital data.

8. (Previously Presented) The method according to claim 1, wherein said digital bus comprises an IEEE 1394 compliant bus said first type of transfer mechanism is an isochronous transfer mechanism and said second type of transfer mechanism is an asynchronous transfer mechanism.

9. (Previously Presented) The digital television according to claim 3, wherein said digital bus comprises an IEEE 1394 compliant bus said first type of transfer mechanism is an isochronous transfer mechanism and said second type of transfer mechanism is an asynchronous transfer mechanism.

10. (Currently Amended) A method for operating a digital video disc player interconnected by a digital bus to a digital video processing apparatus, the digital video disc player performing the steps of:

(a) retrieving from a storage device coupled to said digital video disc player a program content stream representative of a video program stored on said storage device, said program content stream including data in a compressed format;

(b) formatting the program content stream for transfer via a first type of transfer mechanism of said digital bus and transferring the formatted program content stream to the digital video processing apparatus via said first type of transfer mechanism of said digital bus;

(c) retrieving from said storage device subpicture information associated with said program content stream and enabling user navigation through the video program, said subpicture information comprising data in a compressed format;

(d) processing the subpicture information to generate bit map data representing the subpicture information; and

(e) transferring the bit map data to the digital video processing apparatus via a second type of transfer mechanism of said digital bus.

11. (Previously Presented) The method of Claim 10 further comprising the steps of:

(a) generating, in response to a receipt of a user initiated command, subsequent bit-map data representative of an updated portion of a previously transferred subpicture; and

(b) transferring said subsequent bit map data to said digital video processing apparatus via said digital bus.

12. (Previously Presented) The method of claim 10, wherein the first type of transfer mechanism is an isochronous transfer mechanism, and the second type of transfer mechanism is an asynchronous transfer mechanism.